

What is claimed is:

- 5 1. A method for the preemergence control of undesirable plant species comprising applying to soil containing seeds of the undesirable plant a herbicidally effective amount of a microcapsule composition comprising a dinitroaniline compound.
- 10 2. The method of claim 1 wherein the microcapsule has a median diameter from about 3 micrometers to about 10 micrometers.
3. The method of claim 1 wherein the dinitroaniline compound is pendimethalin or trifluralin.
- 15 4. The method of claim 2, wherein the microcapsule has a wall with a thickness from about 1 wt. % to about 10 wt. %.
5. The method of claim 1, wherein the undesired plant is a monocot or dicot.
- 20 6. The method of claim 5 wherein the undesired plant is crabgrass.
7. The method of claim 1, wherein the composition is applied at a rate from about 0.5 lb ai/A to about 2.0 lb ai/A.
- 25 8. The method of claim 1 wherein the microcapsule has a wall with a thickness from about 1 wt. % to about 10 wt. %.
9. The method of claim 8 wherein the dinitroaniline compound is pendimethalin or trifluralin.
- 30 10. The method of claim 9 wherein the undesired plant is crabgrass.
11. The method of claim 1 wherein the microcapsule composition is applied as tank-mix with another herbicide formulation.
- 35 12. The method of claim 11 wherein the other herbicide formulation comprises diflufenzopyr.
13. The method of claim 11 wherein the other herbicide formulation comprises dicamba.

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14. The method of claim 11 wherein the other herbicide formulation comprises diflufenzopyr and dicamba.
- 5 15. A method for the control of undesirable plants in the presence of desirable crop plants which comprises applying to soil containing the desirable plants and seeds of the undesirable plant a herbicidally effective amount of a microcapsule composition comprising a dinitroaniline compound.
- 10 16. The method of claim 15 wherein the microcapsule has a median diameter from about 3 micrometers to about 10 micrometers.
17. The method of claim 15 wherein the dinitroaniline compound is pendimethalin or trifluralin.
- 15 18. The method of claim 16, wherein the microcapsule has a wall with a thickness from about 1 wt. % to about 10 wt. %.
19. The method of claim 15, wherein the undesired plant is a monocot or dicot.
- 20 20. The method of claim 19 wherein the undesired plant is crabgrass.
21. The method of claim 15, wherein the composition is applied at a rate from about 0.5 lb ai/A to about 2.0 lb ai/A.
- 25 22. The method of claim 15 wherein the microcapsule has a wall with a thickness from about 1 wt. % to about 10 wt. %.
23. The method of claim 22 wherein the dinitroaniline compound is pendimethalin or trifluralin.
- 30 24. The method of claim 23 wherein the undesired plant is crabgrass.
25. The method of claim 15 wherein the desired plant is lettuce, tomatoes or corn.
- 35 26. A method for safening a desirable crop from the effects of a herbicide applied to control undesirable plants in the presence of the desirable crop plants which comprises applying a herbicidally effective amount of a microcapsule composition comprising a dinitroaniline compound.

27. A method for reducing the volatility of a dinitroaniline herbicidal compound that is applied to control an undesirable plant which comprises preparing a microcapsule formulation of the dinitroaniline herbicidal compound.
- 5 28. A method for reducing the amount of a dinitroaniline herbicidal compound that is absorbed by cellulosic materials on a soil surface which comprises applying to the cellulosic material on the soil surface a microcapsule formulation of a dinitroaniline herbicidal compound.